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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	1784/53661-AA	NB GOTTE OF THE TOP
First Inventor	Stewart Shuman	PTO
Title	Joining of DNA to RNA	S. S
Express Mail Label No.	EV 325 707 861 US	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450			
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 77] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS 9. Assignment Papers (cover sheet & document(s))			
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 13] 5. Oath or Declaration [Total Sheets]	10.			
a. Newly executed (original or copy)	12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations			
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503)			
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	(Should be specifically itemized) 15. Certified Copy of Priority Document(s) (If foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:			
18. If a CONTINUING APPLICATION, check appropriate box, and sup specification following the title, or in an Application Data Sheet under 3	ply the requisite information below and in the first sentence of the 7 CFR 1.76:			
	tion-in-part (CIP) of prior application No.:09/096,927			
Prior application information: Examiner A. Marschel Art Unit: 1631 For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.				
19. CORRESPON	DENCE ADDRESS			
Customer Number:	OR Correspondence address below			
Name John P. White, Esq.				
Address Cooper & Dunham, LLP 1185 Avenue of the Americas				
City New York	State NY Zip Code 10036			
	elephone 212-278-0400 Fax 212-391-0525			
Name (Print/Type) Alan J. Morrison	Registration No. (Attorney/Agent) 37,399			
Signature Signature	Date 9/15/03			

This collection of information is required by 37 C-R 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (08-03)

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27 **TOTAL AMOUNT OF PAYMENT** 918.00

Complete il Miowii				
Application Number				
Filing Date	September 19, 2003			
First Named Inventor	Stewart Shuman			
Examiner Name				
Art Unit				
Attorney Docket No.	1784/53661-44			

Complete if Known

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)			
X Check Credit card Money Other None 3. ADDITIONAL FEES				
Deposit Account:	Large Entity Small Entity			
Deposit	Fee Fee Fee Fee Fee Description Fee Pe	aid		
Account Number 03-3125	1051 130 2051 65 Surcharge - late filing fee or oath			
Deposit Account	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet			
Name The Director is authorized to: (check all that apply)	1053 130 1053 130 Non-English specification			
X Charge fee(s) indicated below X Credit any overpayments	1812 2,520 1812 2,520 For filing a request for ex parte reexamination			
Charge any additional fee(s) during the pendency of this application	n 1804 920* 1804 920* Requesting publication of SIR prior to Examiner action	_		
Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.	1805 1,840* 1805 1,840* Requesting publication of SIR after Examiner action			
FEE CALCULATION	1251 110 2251 55 Extension for reply within first month	- 1		
1. BASIC FILING FEE	1252 410 2252 205 Extension for reply within second month	_{		
Large Entity Small Entity	1253 930 2253 465 Extension for reply within third month			
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	1254 1,450 2254 725 Extension for reply within fourth month			
1001 750 2001 375 Utility filing fee	1255 1,970 2255 985 Extension for reply within fifth month			
1002 330 2002 165 Design filing fee	1401 320 2401 160 Notice of Appeal	_		
1003 520 2003 260 Plant filing fee	1402 320 2402 160 Filing a brief in support of an appeal			
1004 750 2004 375 Reissue filing fee	1403 280 2403 140 Request for oral hearing			
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 750	1452 110 2452 55 Petition to revive - unavoidable			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,300 2453 650 Petition to revive - unintentional			
Fee from	1501 1,300 2501 650 Utility Issue fee (or reissue)			
Extra Claims below Fee Paid Total Claims 6 -20** = 0 × 0 = 0	1			
Independent 5 2** 2 \ 8/ - 169	1503 630 2503 315 Plant issue fee			
Claims 108 Multiple Dependent 168	1460 130 1460 130 Petitions to the Commissioner			
Large Entity Small Entity	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)			
Fee Fee Fee Fee Description	1806 180 1806 180 Submission of Information Disclosure Stmt 8021 40 8021 40 Recording each patent assignment per	\dashv		
Code (\$)	8021 40 8021 40 recording each patent assignment per property (times number of properties)			
1201 84 2201 42 Independent claims in excess of 3	1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a))			
1203 280 2203 140 Multiple dependent claim, if not paid	1810 750 2810 375 For each additional invention to be	7		
1204 84 2204 42 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE)	\dashv		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application			
	Other fee (specify)	\Box		
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)				
Complete (if applicable)				

Registration No. Telephone Name (Print/Type) Morrisson 37,399 212-278-0400 (Attorney/Agent) Signature

> WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Stewart Shuman et al.

Serial No. : Not Yet Known

Filed : H

: Herewith

For

: COVALENT JOINING OF DNA TO RNA BY VACCINIA

TOPOISOMERASE AND USES THEREOF

1185 Avenue of the Americas New York, NY 10036 September 19, 2003

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450

SIR:

EXPRESS MAIL CERTIFICATE OF MAILING FOR ABOVE-IDENTIFIED APPLICATION

"Express Mail" mailing label number: <u>EV 325 707 861 US</u> Date of Deposit: <u>September 19, 2003</u>

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents P.O. Box 1450, Alexandria VA 22313-1450.

Printed Name:

Respectfully submitted,

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